

Paper No. 20070131

Continuation of Substance of Interview including description of the general nature of what was discussed: A telephone call was made to applicants representative about the potential amendments in order to put the case in condition for allowance. The representative agreed with the examiner's proposal and gave authorization for examiner's amendment. Applicant's representative faxed amended claims containing examiner's proposed amendment. A copy of the attorneys fax regarding the proposed examiner's amendment with some further changes made by the examiner with applicant's approval is also attached.

Further, examiner inquired further clarifications of limitations "cursor specifying a search criteria" and "rowset size definition statement." Therefore, the applicant pointed out paragraphs 0017 and 0024 in the specification to detailed explanations on these limitations.

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FAX COVER SHEET

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Description of Documents Transmitted: PROPOSED AMENDMENT TO THE CLAIMS

Applicant: M.A. BERNAL et al.
Serial No.: 10/624,964
Filed: July 21, 2003
Group Art Unit: 2166
Docket No.: SVL920030006US1

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on
January 30, 2007

By: /David Victor/
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	M.A. Bernal et al.	Examiner	Usmaan Saeed
Serial No.	10/624,964	Group Art Unit	2166
Filed	July 21, 2003	Docket No.	SVL920030006US1
TITLE	METHOD, SYSTEM, AND PROGRAM FOR POSITIONING A CURSOR ON ROWS OF A RESULT TABLE		

CERTIFICATE UNDER 37 CFR 1.8:

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PROPOSED AMENDMENTS TO CLAIMS

Commissioner for Patents
P.O. Box 1450
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Dear Sir:

Applicants submit proposed amendments to independent claims to incorporate the requirements of claims 7, 19, and 29 into independent claims 1, 13, and 23, respectively. Applicants further propose adding the requirement to the independent claims that an operation is performed with respect to the rows on which the cursor is positioned as a result of the fetch request. Applicants canceled claims 7, 19, and 29, and propose further amendments to claims 1, 3, 5, 6, 8, 9, 13, 15, 17, 18, 20, 21, 23, 25, 27, 28, 30, and 31 to clarify the claim language to accommodate the requirements added to the independent claims. Applicants further amended claims 1, 13, and 23 to recite that the rowset size is determined from a statement defining the rowset size, which added requirement is disclosed in para. [0024], pgs. 8-9 of the Specification.

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for making data available to an application program, comprising:

generating a cursor positioned with respect to a result table, wherein the cursor specifies a search criteria, wherein the result table includes rows from a base table that satisfy the search criteria, wherein a cursor definition statement defines the cursor to be positioned on a plurality of rows of the result table;

~~receiving a fetch request specifying an integer k indicating to position the cursor on a plurality of rows of the result table, wherein a statement defines the cursor to be positioned on the plurality of rows;~~

~~positioning the cursor on the plurality of rows of the result table indicated in the fetch request that satisfy the search criteria;~~

determining a rowset size from a rowset size statement defining the rowset size;

positioning the cursor on a number of rows comprising the rowset size that satisfy the search criteria and with respect to k rows from a row of the result table; and

~~performing the fetch request with respect to returning the plurality of rows on which the cursor is defined to be positioned in response to the fetch request.~~

2. (Original) The method of claim 1, further comprising:

placing a lock on the plurality of rows of the result table on which the cursor is positioned.

3. (Currently Amended) The method of claim 2, wherein the fetch request is received from a client at a server, wherein returning the plurality of rows further comprises comprising:

returning, by the server, the plurality of rows at the server on which the cursor is positioned to the client that sent the fetch request, wherein the lock is placed on the plurality of rows at the server to block the plurality of rows on which the cursor is positioned.

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055,0066

4. (Original) The method of claim 2, further comprising:
receiving a subsequent fetch request to reposition the cursor on at least one row of the result table; and
releasing the lock on the plurality of rows of the result table on which the cursor is currently positioned before being repositioned.

5. (Currently Amended) The method of claim 1, wherein the statement defines the cursor to be positioned on the plurality of rows of the result table before receiving the fetch request, ~~and wherein positioning the cursor further comprises:~~
~~determining a rowset size; and~~
~~positioning the cursor on a number of rows comprising the rowset size with respect to one row of the result table having rows that satisfy the search criteria.~~

6. (Currently Amended) The method of claim 5, wherein positioning the cursor with respect to k rows from ~~on the number of rows with respect to~~ one row of the result table comprises one of:
positioning the cursor ~~on a number of~~ at k rows preceding a first row of the current plurality of rows that satisfy the search criteria;
positioning the cursor ~~on a number of~~ at k rows from a first row of the result table that satisfy the search criteria; and
positioning the cursor ~~on a number of~~ at k rows preceding an end of the result table that satisfy the search criteria.

7. (Canceled)

8. (Currently Amended) The method of claim ~~[[7]]~~ 1, wherein positioning the cursor ^{the} ~~on a number of rows that satisfy the search criteria and is positioned with respect to k rows from the row of the result table~~ comprises one of:
positioning the cursor ^{the} ~~on a~~ number of rows that satisfy the search criteria and precede k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

Serial No. 10/624,964
Docket No. SYL920030006US1
Firm No. 0055.0066

positioning the cursor on ^{the} a number of rows that satisfy the search criteria and follow a number of rows equal to the rowset size from a kth row from a first row of the result table;
positioning the cursor on ^{the} a number of rows that satisfy the search criteria and precedes k rows that satisfy the search criteria preceding a last row of the result table.

9. (Original) The method of claim 1, further comprising:
receiving a request to modify at least one row in the rows on which the cursor is positioned; and
modifying the at least one row on which the cursor is positioned as indicated in the request.
10. (Original) The method of claim 9, wherein the modification comprises updating or deleting the at least one row on which the cursor is positioned as indicated in the request.
11. (Original) The method of claim 1, wherein the cursor comprises one of a static cursor or dynamic cursor, wherein if the cursor is static, then the cursor is either sensitive or insensitive to changes in the base table from which the result table is generated.
12. (Previously Presented) The method of claim 1, wherein the statement defines the cursor to be positioned on the plurality of rows of the result table before receiving the fetch request, and wherein the current plurality of rows is a different number than a number of the rows on which the cursor is positioned in response to the fetch request.
13. (Currently Amended) A system for making data available to an application program, comprising:
a memory;
a base table;
a result table, wherein the result table includes rows from a base table that satisfy a search criteria, wherein a cursor definition statement defines the cursor to be positioned on a plurality of rows of the result table;
means for generating a cursor positioned with respect to the result table;

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

~~means for receiving a fetch request specifying an integer k indicating to position the cursor on a plurality of rows of the result table, wherein a statement defines the cursor to be positioned on the plurality of rows;~~

~~means for positioning the cursor on the plurality of rows of the result table indicated in the fetch request that satisfy the search criteria;~~

~~means for determining a rowset size from a rowset size definition statement defining the rowset size;~~

~~means for positioning the cursor on a number of rows comprising the rowset size that satisfy the search criteria and with respect to k rows from a row of the result table; and~~

~~means for performing an operation the fetch request with respect to returning the plurality of rows on which the cursor is defined to be positioned in response to the fetch request.~~

14. (Original) The system of claim 13, further comprising:

means for placing a lock on the plurality of rows of the result table on which the cursor is positioned.

15. (Currently Amended) The system of claim 14, wherein the fetch request is received from a client at a server, wherein returning the plurality of rows further comprises comprising:

means, performed by the server, for returning the plurality of rows at the server on which the cursor is positioned to the client that sent the fetch request, wherein the lock is placed on the plurality of rows at the server to block the plurality of rows on which the cursor is positioned.

16. (Original) The system of claim 14, further comprising:

means for receiving a subsequent fetch request to reposition the cursor on at least one row of the result table; and

means for releasing the lock on the plurality of rows of the result table on which the cursor is currently positioned before being repositioned.

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

17. (Currently Amended) The system of claim 13, wherein the statement defines the cursor to be positioned on the plurality of rows of the result table before receiving the fetch request, ~~and wherein the means for positioning the cursor further performs:~~

~~determining a rowset size; and~~

~~positioning the cursor on a number of rows comprising the rowset size with respect to one row of the result table having rows that satisfy the search criteria.~~

18. (Currently Amended) The system of claim 17, wherein the means for positioning the cursor with respect to k rows from ~~on the number of rows with respect to~~ one row of the result table performs one of:

positioning the cursor ~~on a number of~~ at k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor ~~on a number of~~ at k rows from a first row of the result table that satisfy the search criteria; and

positioning the cursor ~~on a number of~~ at k rows preceding an end of the result table that satisfy the search criteria.

19. (Canceled)

20. (Currently Amended) The system of claim ~~[[19]]~~ 13, wherein the means for positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and is positioned with respect to k rows from the row of the result table performs one of:

positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and precede k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and follow a number of rows equal to the rowset size from a kth row from a first row of the result table; and

positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and precedes k rows that satisfy the search criteria preceding a last row of the result table.

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

21. (Original) The system of claim 13, further comprising:
means for receiving a request to modify at least one row in the rows on which the cursor is positioned; and
means for modifying the at least one row on which the cursor is positioned as indicated in the request.
22. (Original) The system of claim 13, wherein the cursor comprises one of a static cursor or dynamic cursor, wherein if the cursor is static, then the cursor is either sensitive or insensitive to changes in the base table from which the result table is generated.
23. (Currently Amended) An article of manufacture embodied in a computer readable storage medium including code executed for making data available to an application program, wherein the article of manufacture causes operations to be performed, the operations comprising:
generating a cursor positioned with respect to a result table, wherein the cursor specifies a search criteria, wherein the result table includes rows from a base table that satisfy the search criteria, wherein a cursor definition statement defines the cursor to be positioned on a plurality of rows of the result table;
~~receiving a fetch request specifying an integer k indicating to position the cursor on a plurality of rows of the result table, wherein a statement defines the cursor to be positioned on the plurality of rows;~~
~~positioning the cursor on the plurality of rows of the result table indicated in the fetch request that satisfy the search criteria;~~
determining a rowset size from a rowset size definition statement defining the rowset size;
positioning the cursor on a number of rows comprising the rowset size that satisfy the search criteria and with respect to k rows from a row of the result table having rows that satisfy the search criteria; and
~~performing the fetch request with respect to~~ returning the plurality of rows on which the cursor is ~~defined to be positioned in response to the fetch request.~~

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

24. (Original) The article of manufacture of claim 23, wherein the operations further comprise:

placing a lock on the plurality of rows of the result table on which the cursor is positioned.

25. (Currently Amended) The article of manufacture of claim 24, wherein the fetch request is received from a client at a server, and wherein returning the plurality of rows the operations further comprises comprise:

returning, by the server, the plurality of rows at the server on which the cursor is positioned to the client that sent the fetch request, wherein the lock is placed on the plurality of rows at the server to block the plurality of rows on which the cursor is positioned.

26. (Original) The article of manufacture of claim 24, wherein the operations further comprise:

receiving a subsequent fetch request to reposition the cursor on at least one row of the result table; and

releasing the lock on the plurality of rows of the result table on which the cursor is currently positioned before being repositioned.

27. (Currently Amended) The article of manufacture of claim 23, wherein the statement defines the cursor to be positioned on the plurality of rows of the result table before receiving the fetch request, ~~and wherein positioning the cursor further comprises:~~

~~determining a rowset size; and~~

~~positioning the cursor on a number of rows comprising the rowset size with respect to one row of the result table having rows that satisfy the search criteria.~~

28. (Currently Amended) The article of manufacture of claim 27, wherein positioning the cursor with respect to k rows from ~~on the number of rows with respect to~~ one row of the result table comprises one of:

positioning the cursor ~~on a number of~~ at k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

positioning the cursor ~~on a number of~~ at k rows from a first row of the result table that satisfy the search criteria; and

positioning the cursor ~~on a number of~~ at k rows preceding an end of the result table that satisfy the search criteria.

29. (Canceled)

30. (Currently Amended) The article of manufacture of claim ~~[[29]]~~ 23, wherein positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and is positioned with respect to k rows from the row of the result table comprises one of:

positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and precede k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and follow a number of rows equal to the rowset size from a kth row from a first row of the result table;

positioning the cursor on ~~a~~ ^{the} number of rows that satisfy the search criteria and precedes k rows that satisfy the search criteria preceding a last row of the result table.

31. (Original) The article of manufacture of claim 23, wherein the operations further comprise:

receiving a request to modify at least one row in the rows on which the cursor is positioned; and

modifying the at least one row on which the cursor is positioned as indicated in the request.

32. (Original) The article of manufacture of claim 31, wherein the modification comprises updating or deleting the at least one row on which the cursor is positioned as indicated in the request.

33. (Original) The article of manufacture of claim 23, wherein the cursor comprises one of a static cursor or dynamic cursor, wherein if the cursor is static, then the cursor is either sensitive or insensitive to changes in the base table from which the result table is generated.

Serial No. 10/624,964
Docket No. SVL920030006US1
Firm No. 0055.0066

34. (Original) The article of manufacture of claim 23, wherein the statement defines the cursor to be positioned on the plurality of rows of the result table before receiving the fetch request, and wherein the current plurality of rows is a different number than a number of the rows on which the cursor is positioned in response to the fetch request.

The attorney of record invites the Examiner to contact him at (310) 553-7977 if the Examiner believes such contact would advance the prosecution of the case.

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